

Appln. No. 10/731,645
Amendment filed January 13, 2006
Response to Office Action mailed on September 22, 2005

LISTING OF CLAIMS:

This listing of claims will replace all prior versions, and listing, of claims in the application.

1. (Currently Amended) A liquid cartridge for supplying a liquid by being mounted on a liquid ejecting apparatus, comprising:

a container body having an opening part, which is opened, at a first side face;
a lid, which is attached to said first side face of said container body, for covering

said opening part;

a penetrating part formed at said container body or said lid, said penetrating part being formed at an engaging part, which has an extending part that extends along a second side face adjacent to said first side face of said container body; and

a caulking part formed at said container body or said lid and inserted into said penetrating part in order for a tip part thereof to be caulked,

wherein said container body or said lid is provided with either of said engaging part or said caulking part respectively at a plurality of said second side faces adjacent to said first side face, and

said penetrating part of said engaging part at a first one of said plurality of said second side faces is a penetrating hole in order for said caulking part to be inserted,

while said penetrating part of said engaging part at a second one of said plurality of said second side faces is formed as a notch in order for said caulking part to be inserted.

2. (Original) A liquid cartridge as claimed in claim 1, further comprising a sealing member having flexibility for forming a liquid containing chamber, which is a closed space for

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containing a liquid in association with said container body by sealing said opening part of said container body, wherein

said sealing member is covered by said lid at said first side face.

3. (Original) A liquid cartridge as claimed in claim 2, wherein said sealing member comprises a sealing member extending part, which extends to an area facing an edge part of said cartridge body and an edge part of said lid, and

said sealing member extending part is fixed by being put between said edge part of said cartridge body and said edge part of said lid.

4. (Cancelled)

5. (Currently Amended) A liquid cartridge as claimed in ~~claim 4~~claim 1, wherein said engaging part has an end part a height of which with respect to a direction perpendicular to said second side face is higher than a plane of said extending part.

6. (Currently Amended) A liquid cartridge as claimed in ~~claim 4~~claim 1 or claim 5, wherein said engaging part further comprising a side wall part provided along both side ends of said extending part, and a height of said side wall part with respect to a direction perpendicular to the second side face is higher than the plane of said extending part.

7. (Original) A liquid cartridge as claimed in claim 5, further comprising an engagement hollow part, which is provided at said container body or said lid and has substantially the same width as said engaging part, for accepting said engaging part, wherein

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a depth of said engagement hollow part is substantially the same as that of said end part in a direction perpendicular to said second side face.

8. (Cancelled)

9. (Currently Amended) A liquid cartridge as claimed in claim 1, wherein a caulking part, which extends in a direction perpendicular to said first side face, is formed at said container body or said lid,

while ~~a~~ penetrating part, into which said caulking part is inserted, is formed at said container body or said lid, which does not have said caulking part.

10. (Original) A liquid cartridge as claimed in claim 1, wherein a liquid supplying part is formed at a side face adjacent to said first side face of said container body and communicates with a liquid containing chamber formed at said container body, and

said container body or said lid is provided with a plurality of engaging parts, which extend along a second side face adjacent to said first side face in order to hold said liquid supplying part,

while said container body or said lid, which does not have said engaging parts, is provided with a plurality of caulking parts, one of which is inserted into said penetrating part provided at said engaging part.

11. (Original) A liquid cartridge as claimed in claim 10, wherein said penetrating part of said engaging part is formed as a penetrating hole at said side face at which said liquid supplying part is formed.

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12. (Currently Amended) A liquid cartridge as claimed in claim 10 or claim 11, wherein said container body or said lid comprises an engaging part, which extends along a side face adjacent to said side face, at which said liquid supplying part is formed, and adjacent to said first side face, and

asaid penetrating part of said engaging part is formed as a notch, of which an end part is opened.

13. (Currently Amended) A liquid cartridge as claimed in claim 10, wherein said container body or said lid is provided with asaid caulking part, which extends in a direction perpendicular to said first side face, near a side face opposite to said side face at which said liquid supplying part is formed,

while said container body or said lid, which does not have said caulking part, is provided with asaid penetrating part, which penetrates in a direction perpendicular to said first side face, into which said caulking part is inserted.

14. (Cancelled)

15. (Original) A liquid cartridge as claimed in claim 1, provided with a memory supporting part for supporting a memory for storing information about a liquid at a second side face adjacent to said first side face of said container body, wherein

said memory supporting part is attached to said container body to cover at least one of said caulking parts.

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16. (Original) A liquid cartridge as claimed in claim 15, wherein said memory supporting part is attached to said container body by caulking a portion of said memory supporting part at a portion of said container body.

17. (Currently Amended) A method for manufacturing a liquid cartridge, ~~which comprises~~comprising the steps of:

providing the liquid cartridge, the liquid cartridge having:

a container body having an opening part, which is opened, at a first side face;

a lid, which is attached to said first side face of said container body, for covering said opening part;

a penetrating part formed at said container body or said lid;

an engaging part, which has an extending part that extends along a second side face adjacent to said first side face and said penetrating part; and

a caulking part formed at said container body or said lid and inserted into said penetrating part, in order for a tip part ~~thereof~~ said caulking part to be caulked; ~~wherein said method comprises;~~

wherein the engaging part, penetrating part or caulking part are respectively provided at a plurality of said second side faces;

wherein said penetrating part of said engaging part at a first one of said plurality of said second side faces is a penetrating hole into which said caulking part is inserted,

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wherein said penetrating part of said engaging part at a second one of said plurality of said second side faces is formed as a notch into which said caulking part is inserted,

determining a position of said lid in regard to said first side face of said container body by fitting said caulking part into said penetrating part and fitting said engaging part, which has said penetrating hole at said first one of said plurality of said second side faces, with said caulking part corresponding to said penetrating hole, and fitting said caulking part, which corresponds to a notch at said second one of said plurality of said second side faces, into said engaging part having said notch by turning said lid toward said container body, taking a fitted part between said penetrating hole and said caulking part as a turning center; and

performing caulking by deforming said tip part of said caulking part with heat to perform caulking.

18. (Cancelled)

19. (Currently Amended) A method for manufacturing a liquid cartridge as claimed in ~~claim 18~~claim 17, wherein said container body or said lid is provided with a caulking part, which extends in a direction perpendicular to said first side face, near a side face opposite to said second side face at which said engaging part having said penetrating hole is formed,

while said container body or said lid, which does not have said caulking part, is provided with a penetrating hole, which penetrates in a direction perpendicular to said first side face into which said caulking part is inserted, and

said position determining step further comprises:

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fitting said penetrating part, which penetrates in a direction perpendicular to said first side face, with said caulking part, which extends in a direction perpendicular to said first side face, by turning said lid toward said container body, taking a fitted part between said penetrating hole and said caulking part as a turning center.

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